

SECTION VIEW – STRIP DEFLECTION DETAIL AT OBSTRUCTION

SCALE: $\frac{1}{2}$ " = 1'-0"

NOTES:

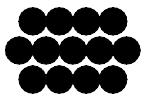
1. DEFLECTION OF STRIP TO BE AS GRADUAL AS POSSIBLE.
2. PIPES SHOULD BE OUTSIDE OF REINFORCED SOIL ZONE WHENEVER POSSIBLE.
3. PLACE STRIP EITHER ABOVE OR BELOW PIPE ON COMPACTED FILL.
4. FOR PIPES NEAR TOP OF WALL IT MAY ONLY BE POSSIBLE TO PLACE SOIL REINFORCEMENT BELOW PIPE DUE TO OTHER CONFLICTS WITH MOMENT SLABS, CONCRETE PAVEMENT, ETC.
5. MAXIMUM PIPE SIZE WITHIN REINFORCED SOIL ZONE SHOULD BE LIMITED TO 24" DIA. TO MINIMIZE OBSTRUCTION OF REINFORCEMENT LEVELS, WHICH ARE TYPICALLY AT 33" MAXIMUM SPACING PER AASHTO.

STRIP DEFLECTION DISTANCE	
REINFORCED CONCRETE PIPE O.D. (IN.)	DIM. "D" EDGE OF PIPE TO BACK FACE OF PANEL (FT)
10½"	3'-1"
13"	3'-3"
16"	3'-9"
19½"	4'-1"
23"	4'-6"
26½"	4'-11"
30"	5'-3"

THIS TABLE IS BASED ON THE ASSUMPTION THAT THE CENTER OF THE PIPE IS ALIGNED WITH THE CENTER OF THE TIE STRIP.

IMPORTANT NOTE ABOUT DIMENSIONS:

Dimensions used in this document are for illustrative purposes only and may vary slightly from precise design or fabrication dimensions due to English/Metric conversion or due to simplification appropriate to the guideline character of this manual. When required for design, precise dimensions (each project uses either English or Metric) should be obtained from contract plans or directly from The Reinforced Earth Company. RECO reserves the right to change the dimensions of fabricated materials as needed.



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SHEETS 1 OF 1

DATE:

10/14/2021